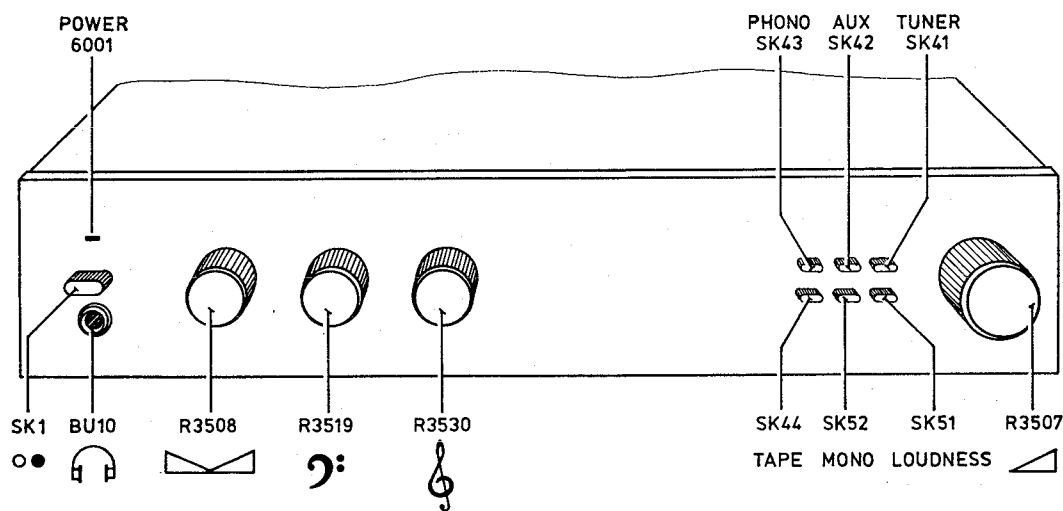


Service
Service
Service

Service Manual



22807 A12

(GB)

For more detailed technical specifications please consult commercial documentation.

(NL)

Voor meer uitgebreide technische specificaties gelieve de commerciële documentatie te raadplegen.

(F)

Pour l'obtention de données techniques plus détaillées veuillez consulter la documentation commerciale.

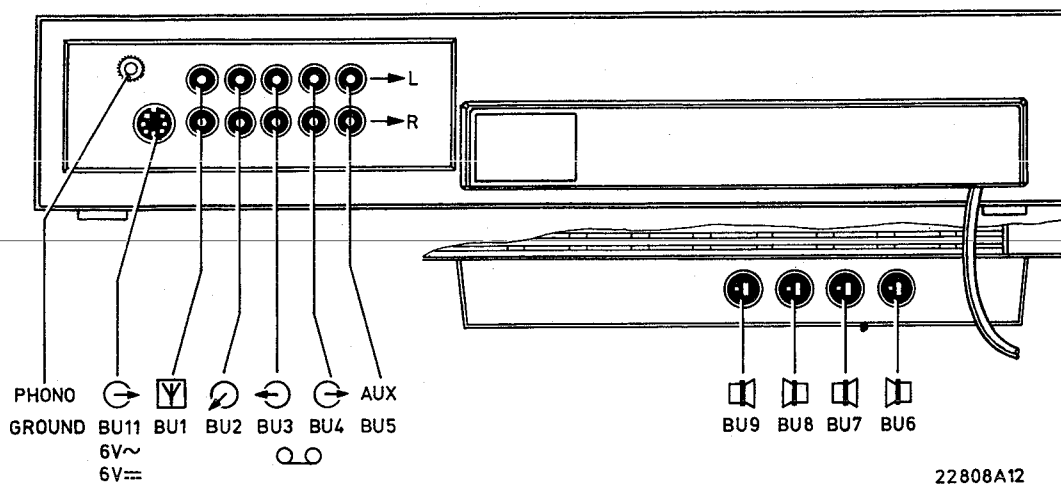
(D)

Für eine mehr detaillierte technische Spezifikation verweisen wir auf die kommerzielle Dokumentation.

(I)

In modo da ottenere dati tecnici più particolareggiati, vi preghiamo di riferirvi alla documentazione commerciale.





22808A12

(GB)

Supply voltage

(NL)

Voedingspanning

(F)

Tension d'alimentation

: 110-127-220-240 V
50 Hz

Power consumption

Opgenomen vermogen

Puissance absorbée

: 100 Watt

Dimensions

Afmetingen

Encombrement

: 42x8x33 cm

Output

Output

Sortie

: Din $\leq 1\%$ 2x21 Watt

Output impedance

Uitgangs impedantie

Impedance de sortie

: 8 Ω

Headphones

Hoofdtelefoon

Casque d'écoute

: 8 - 600 Ω

Inputs

Ingangen

Entrées

Phono

PU

Tourne disque

: 2.5 mV/47 k Ω

Tape

Recorder

Magnetophone

: 150 mV/47 k Ω

Aux

Aux

Aux

: 150 mV/47 k Ω

Tuner

Tuner

Tuner

: 150 mV/47 k Ω

Output tape

Uitgang recorder

Sortie magnetophone

: 150 mV/2,5 k Ω

(D)

Versorgungsspannung

(I)

Tensioni

: 110-127-220-240 V
50 Hz

Leistungsaufnahme

Consumo

: 100 Watt

Abmessungen

Dimensioni

: 42x8x33 cm

Ausgangsleistung

Potenza d'uscita

: Din $\leq 1\%$ 2x21 Watt

Ausgangs impedanz

Impedenza d'uscita

: 8 Ω

Kopfhörer

Auricolare

: 8 - 600 Ω

Eingänge

Sensibilità d'ingresso

P.U.

P.U.

: 2.5 mV/47 k Ω

Tape

Tape

: 150 mV/47 k Ω

Aux

Aux

: 150 mV/47 k Ω

Tuner

Tuner

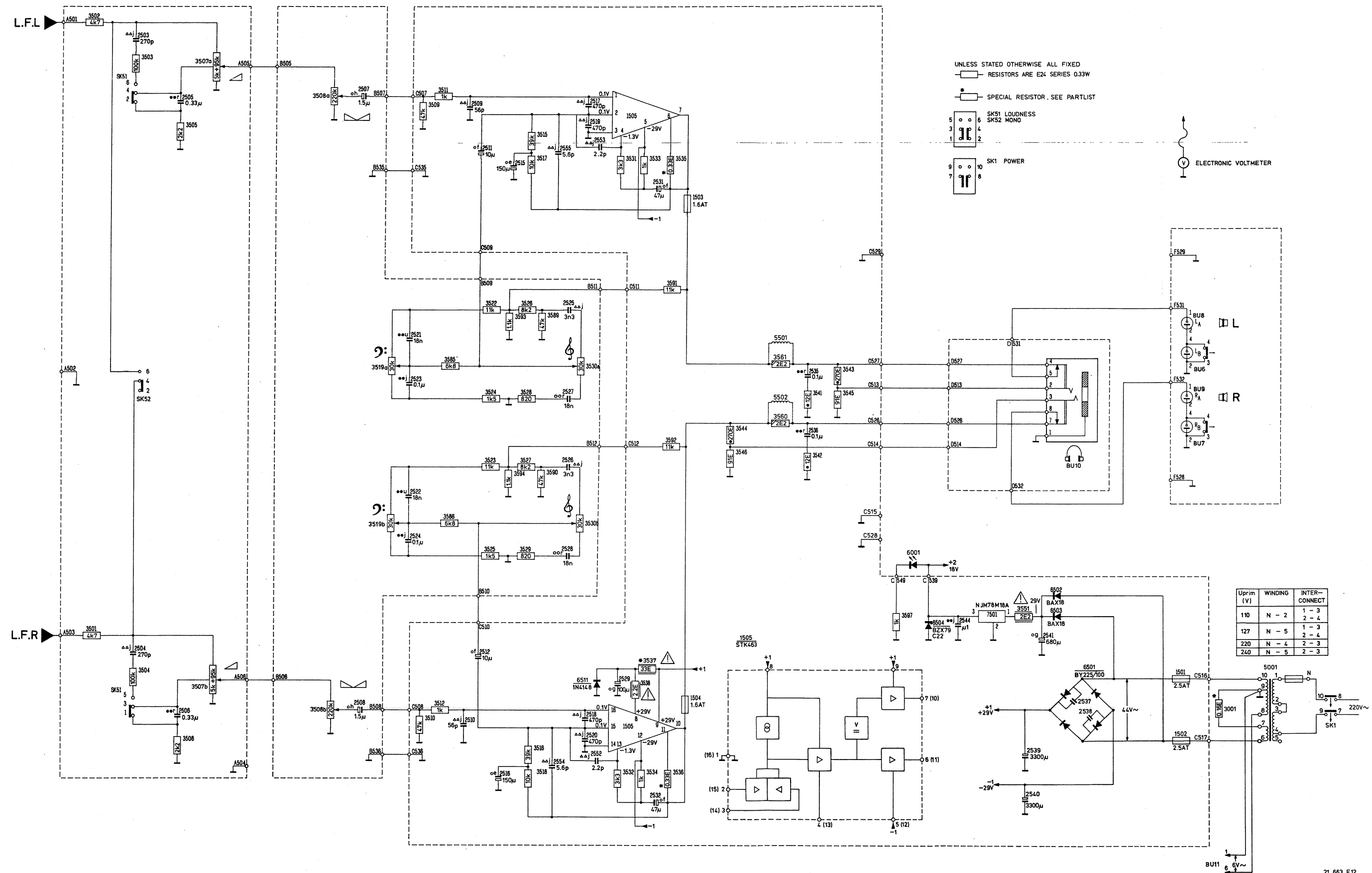
: 150 mV/47 k Ω

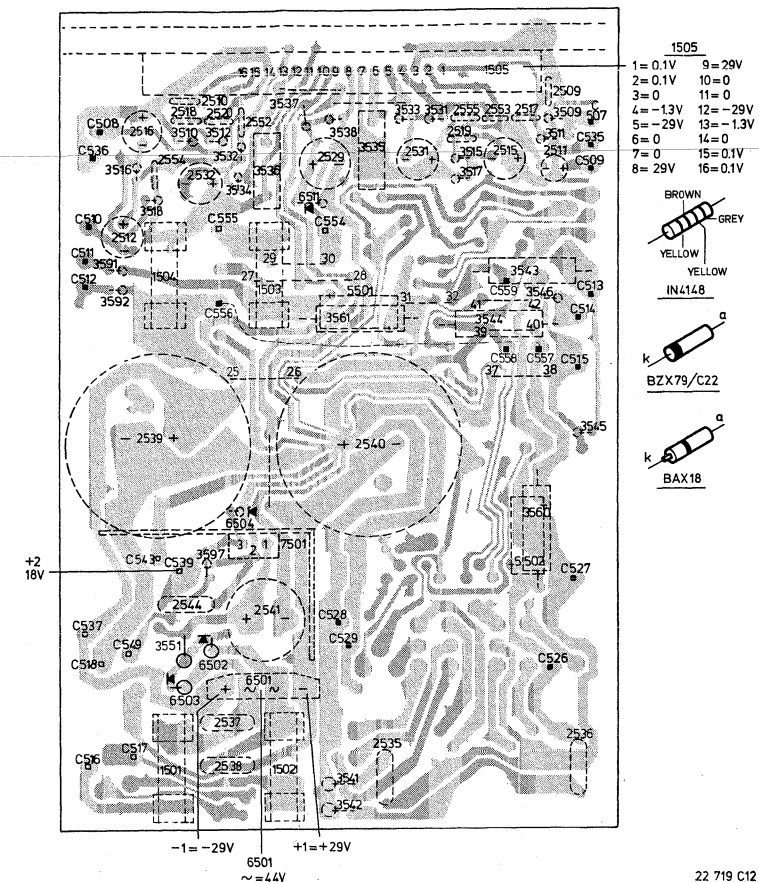
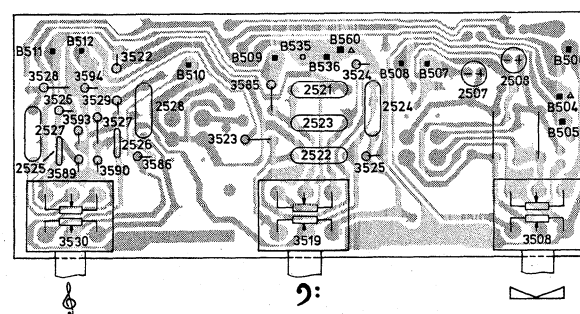
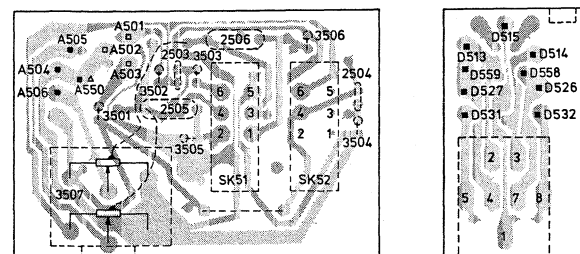
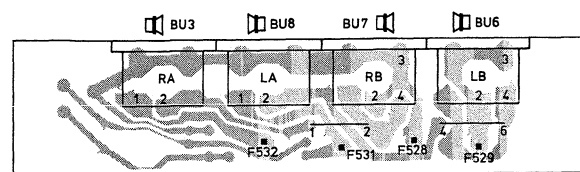
Ausgang tape

Uscita registratore

: 150 mV/2,5 k Ω

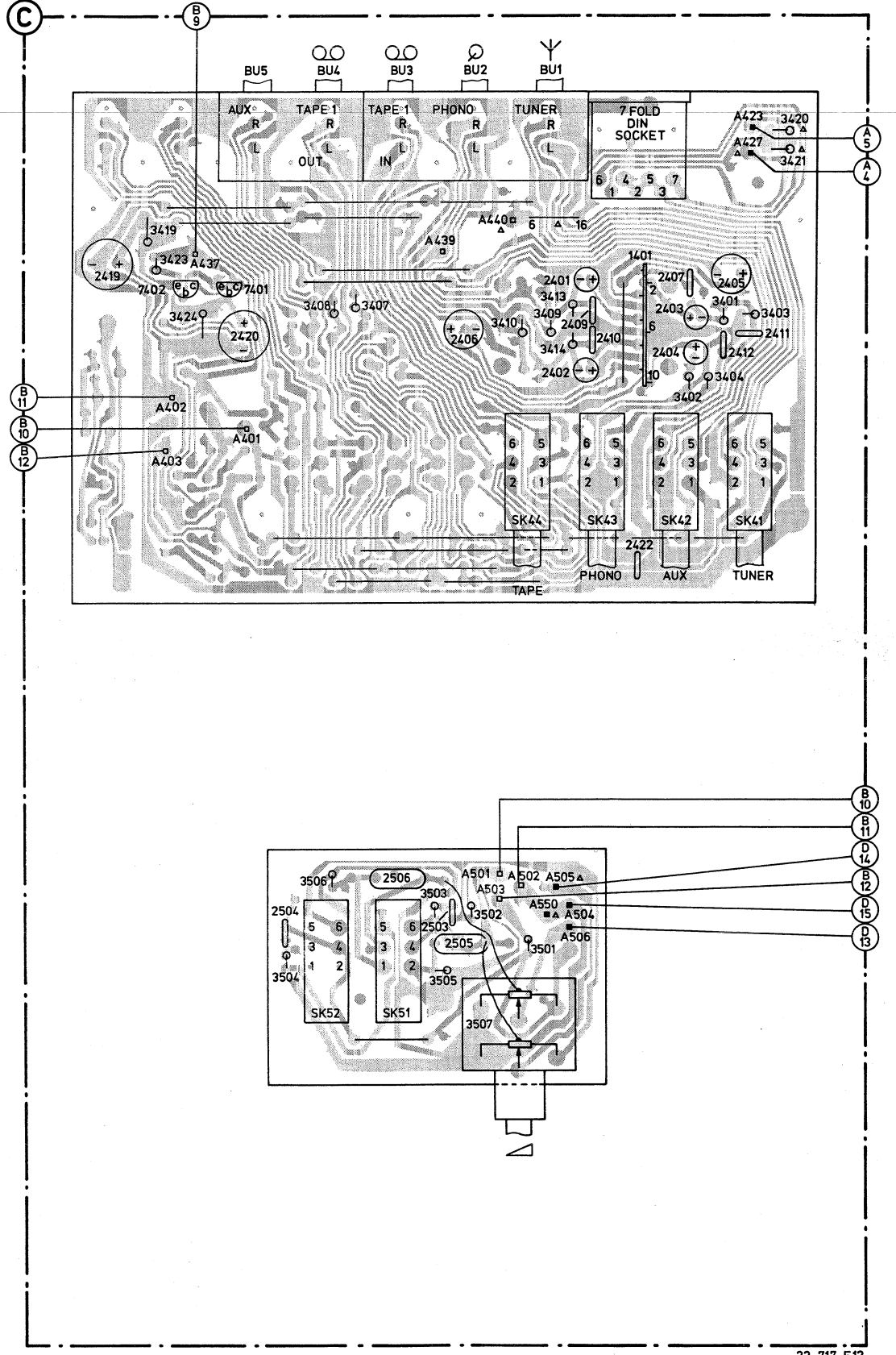
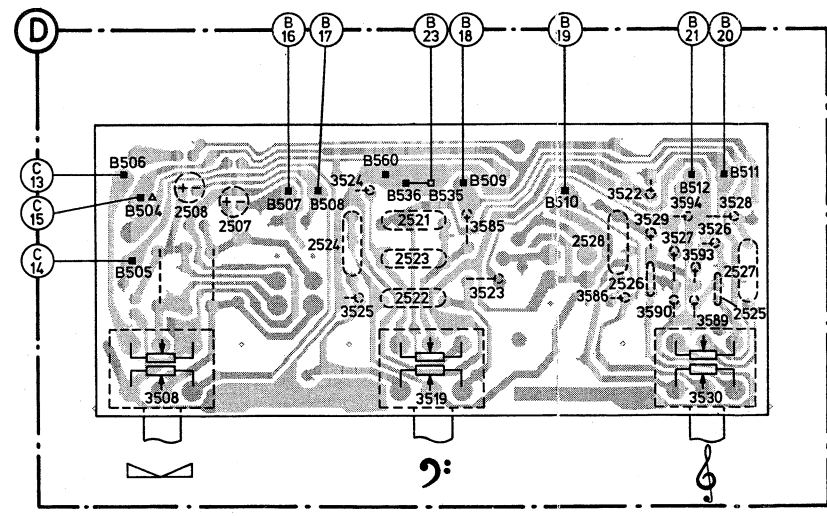
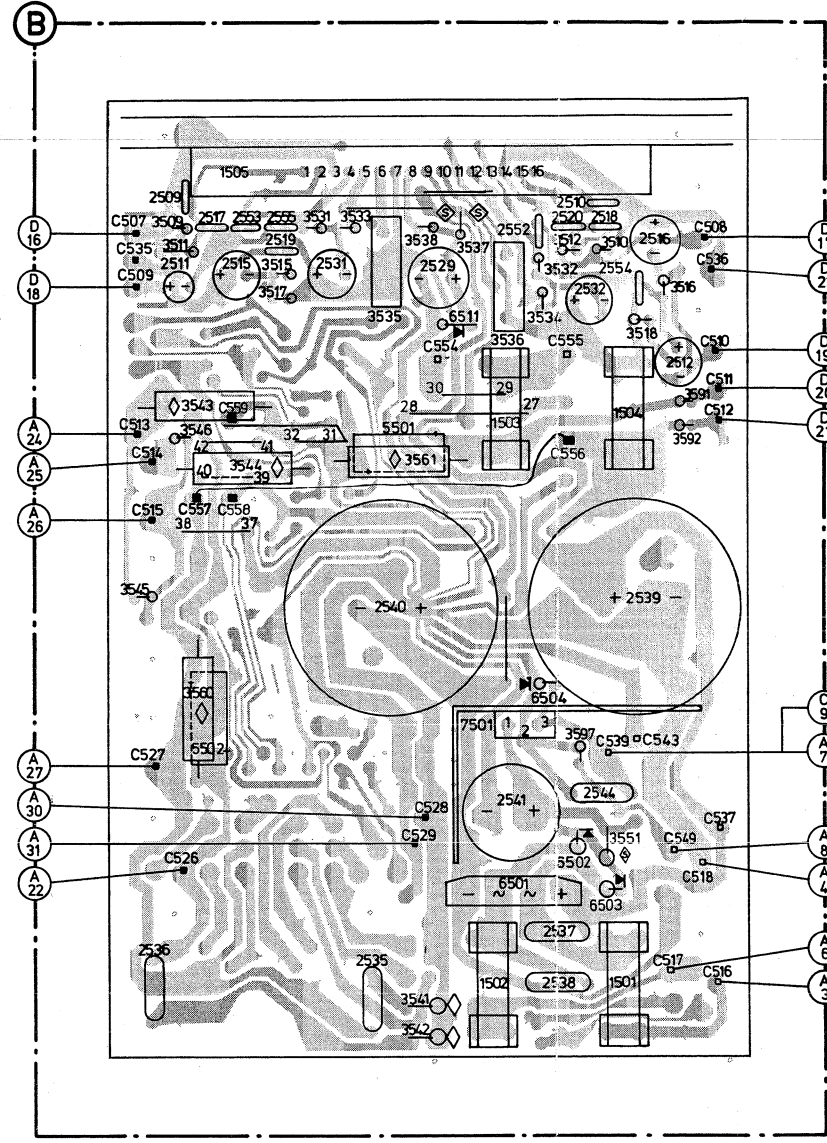
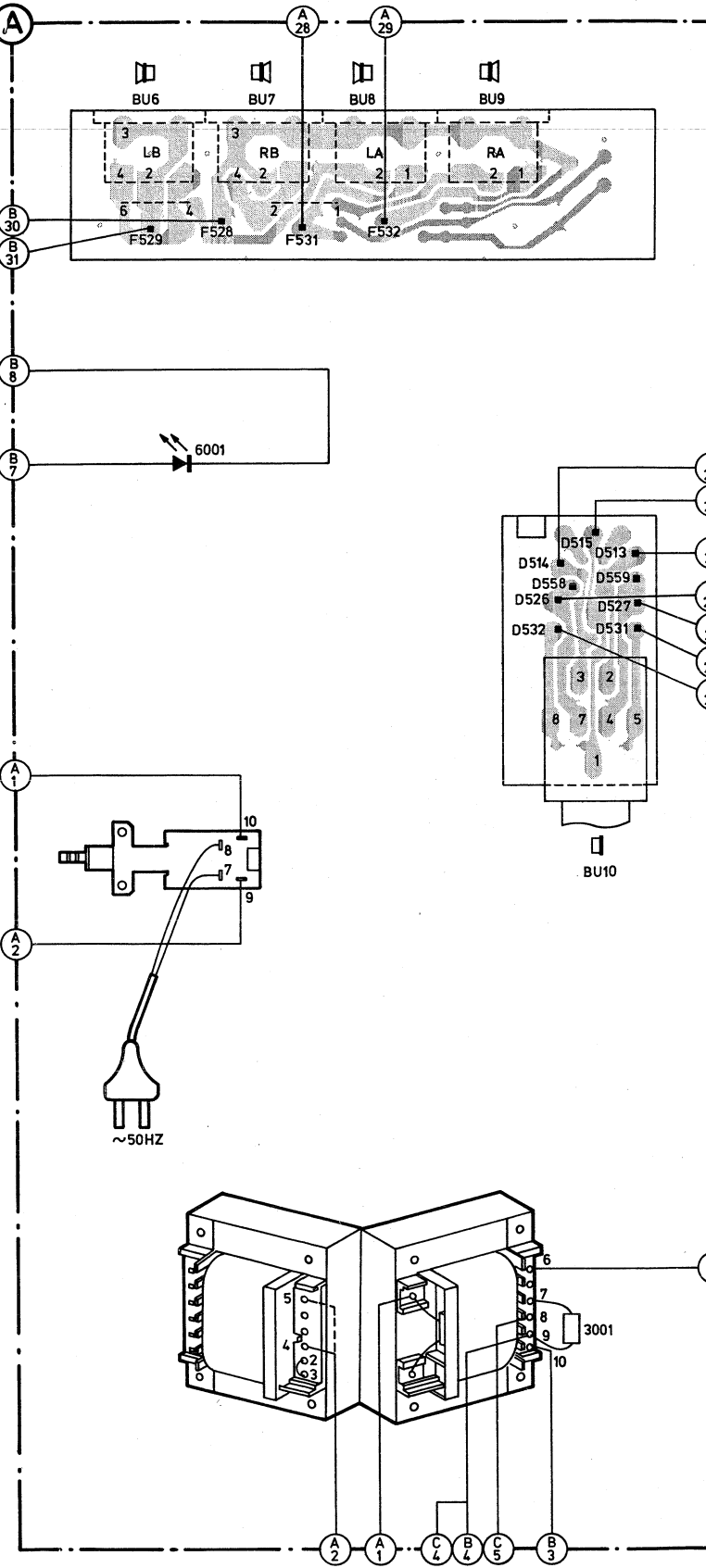
MISC.		SK51.52									6511	1505	1503.1504			5501.5502			6001.6504	7501		6502.6503	6501		1501.1502		5001		SK1
C		2503.2504	2505.2506								2507.2508	2521+2524	2509+2512.2515.2516.2555.2554.2525+2528.2517+2520.2553.2552.2529.2531.2532				2535.2536					2541	2536.2540.2537.2538						
R	3502.3501	3503.3504	3505.3506	3507					3508		3519.3509+3512.3585.3586.3522+3529.3593.3594.3515+3518.3589.3590.3530	3531+3538.3591.3592	3544.3546		3561.3530.3541+3543.3545		3597						3551		3001				










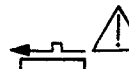














[illegible]

The schematic diagram illustrates the internal circuitry of the Philips RCD 600 amplifier. It features four input sections at the top: AUX IN L (BU5), L BU1 (BU3), R BU2 (BU1), and IN R BU3. The main signal path consists of two identical channels, one for the left (L) and one for the right (R). Each channel starts with an input stage (SK41, SK42) followed by a pre-amplifier stage (SK43, SK44). The signal then passes through a series of resistors and capacitors, including a 2407 resistor network and a 2409 capacitor network. The output stages are driven by BC547A transistors (7402, 7401) and BC547B transistors (3423, 3424). The final output is connected to the L.F.L. (Left Front Loudspeaker) and L.F.R. (Right Front Loudspeaker) terminals. A separate section shows the power supply and speaker connections, including a 2408 resistor network and a 2409 capacitor network. The diagram also includes a legend for the input types: SK41 TUNER, SK42 AUXILIARY, SK43 PHONO, and SK44 TAPE.

MISC.	6001	5502 1505	7501 6511 1502.1503.6501÷6504	1501.1504	7402 7401	1401
C		2536 2507÷2509.2517.2515.2524.2535.2521÷2523.2510.2520.2532.2528 2526 2554 2527			2504 2506 2503 2505	2401 2409.2422.2403÷2405
C		2511 2515.2553.2555.2531.2540.2529.2552.2541.2537.2538.2544 2539 2518.2516.2512			2419 2420	2402 2410 2407 2412 2411
R	3001	3508.3509.3511 3517.3519.3524 3531÷3538 3519.3523.3512.3510.3518.3516.3522.3526÷3530			3419 3423.3424 3408 3407	3502.3410 3409.3414 3402.3403.3401.3403
R		3560.3546.3543.3544.3525. 3541.3542.3561 3585 3536.3597. 3551.3589÷3594			3504.3506 3503 3505 3507 3501 3414	3404 3420.3421



-Miscellaneous-			-C-		
5001	Mains transformer	4822 146 60097	2527-28	18 nF	4822 121 40314
			2539-40	3300 µF - 35 V	4822 124 21075
			2544	0,1 µF	4822 121 40334
-IC-			-R-		
1505	STK461		3001	0,16E	4822 113 60132
7501	NJM78M18A	4822 209 8075	3537	33E	4822 111 30004
-D-			3598/39	62K	4822 110 73107
6501	BY225	4822 130 30917	3507	Potmeter 20K + 80K	4822 101 30411
6511	BAX14	4822 130 34193	3508	Potmeter 220K	4822 101 30412
6502-03	BY206	4822 130 30839	3519-30	Potmeter 30K	4822 101 30413
6504	BZX79/C22	4822 130 34441	3420-21	MD res. 0,33E	4822 116 51309
			3419	22E	4822 111 30517
-F-			-S-		
1501-02	3,5 AT	4822 253 30027	5401-02	1000 µF	4822 157 50975
1503-04	1,6 AT	4822 253 30024			
-LA-					
6001	GL-2AR1	4822 130 31137			

	SPRING RESISTOR			
	SAFETY RESISTOR			
	0,2 W	< 220kΩ	5%	
	(CR16)	> 270kΩ	10%	
	0,33W	≤ 1MΩ	5%	
	(CR25)	> 1MΩ	10%	
	0,5W	≤ 1MΩ	5%	
	(CR37)	> 1MΩ	10%	
	0,67W	≤ 1MΩ	5%	
	(CR52)	> 1MΩ	10%	
	1,15 W	≤ 1,6MΩ	5%	
	(CR68)	> 1,6MΩ	10%	
	0,5 W	HIGH VOLTAGE		
	(VR37)	RESISTOR	5%	
	4W	WIRE WOUND		
	(WR0617)	RESISTOR	5%	
	7W	WIRE WOUND		
	(WR0825)	RESISTOR	5%	
	11W	WIRE WOUND		
	(WR0842)	RESISTOR	5%	
		△△*		CERAMIC PLATE
		●●*		POLYESTER FLAT FILM
		□*		POLYESTER MEPOLESCO
		○*		SINGLE ELCO
		* _a	= 2,5 V	g = 40V r = 250V
		b	= 4V	h = 63V s = 350V
		c	= 6,3V	j = 100V u = 400V
		d	= 10V	l = 125V v = 500V
		e	= 16V	m = 150V w = 630V
		f	= 25V	q = 200V x = 1000V

20716 B20

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used.

NL

Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

F

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

I

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.